

Abstract

The invention provides an anti-reflection film secured with a sufficient defect-freeness, a polarizing plate comprising such an anti-reflection film and a display device comprising such an anti-reflection film or polarizing plate, and the anti-reflection film comprises at least one hard coat layer and an outermost low refractive index layer provided on a transparent support; wherein R_a (central line average roughness) of the surface of the anti-reflection film is not greater than $0.15\text{ }\mu\text{m}$, and the hard coat layer comprises at least one specific particle, and a polarizing plate and a display device comprising the film.

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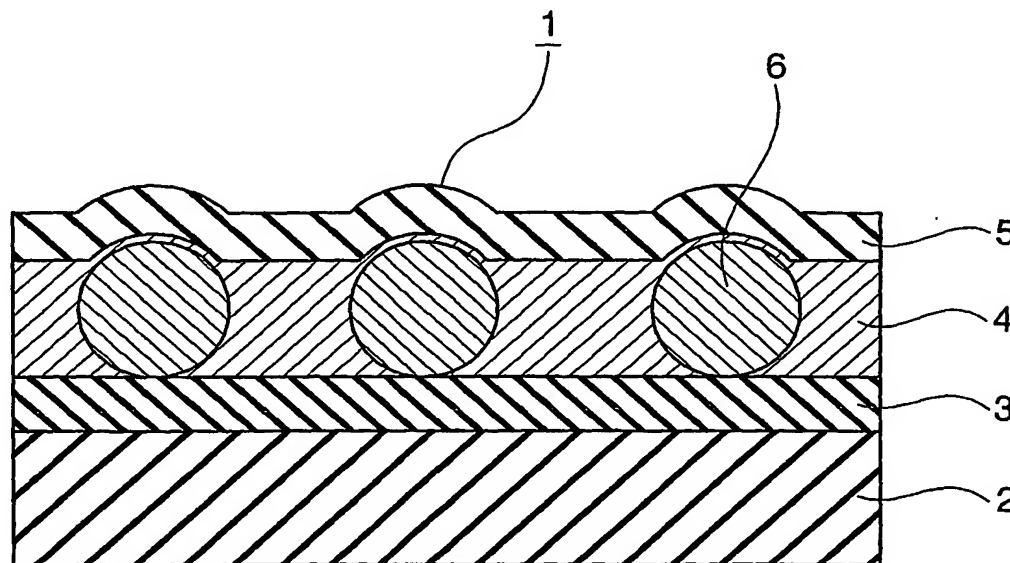


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- (71) Applicant (for all designated States except US): **FUJI PHOTO FILM CO., LTD.** [JP/JP]; 210, Nakanuma, Minami-Ashigara-shi, Kanagawa 250-0123 (JP).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): **MATSUNAGA, Naohiro** [JP/JP]; c/o Fuji Photo Film Co., Ltd., 210, Nakanuma, Minami-Ashigara-shi, Kanagawa 250-0123 (JP).
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(57) Abstract: The invention provides an anti-reflection film secured with a sufficient defect-freeness, a polarizing plate comprising such an anti-reflection film and a display device comprising such an anti-reflection film or polarizing plate, and the anti-reflection film comprises at least one hard coat layer and an outermost low refractive index layer provided on a transparent support, wherein Ra (central line average roughness) of the surface of the anti-reflection film is not greater than 0.15 μm and the hard coat layer comprises at least one specific particle, and a polarizing plate and a display device comprising the film.